

Nurses' knowledge to pressure ulcer prevention in public hospitals in Wollega: a cross-sectional study design

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Abstract

Background: Pressure ulcer is a preventable medical complication of immobility. It has psychological, economic and social impact on individual and family. Its cost of treatment is more than twice of cost of prevention. It is primarily the nurses' responsibility to prevent pressure ulcer. The aim of this study was to assess the nurses' knowledge to pressure ulcer prevention in public hospitals in Wollega.

Methods: A descriptive multicenter cross-sectional study design using quantitative method was employed to collect data from 212 randomly selected nurses. A structured validated self-administered instrument of pressure ulcer knowledge test was used to evaluate nurses' knowledge. Mean scores were compared using the Mann-Whitney U and Kruskal-Wallis tests. Means, standard deviation, and frequencies were used to describe nurses' knowledge levels and barriers to pressure ulcer prevention.

Results: Analysis of the study displayed 91.5% had inadequate knowledge to pressure ulcer prevention. The mean of nurses' knowledge in all theme and per item were 11.31 (SD=5.97) and 0.43 (SD= 0.22), respectively. The study participants had the highest mean item score (2.65 ± 0.87) in nutrition theme, whereas, scored lowest on etiology and development (0.27 ± 0.18) and preventive measures to reduce duration of pressure (0.29 ± 0.18), The study also identified significant nurses read articles (0.000) and received training ($p=0.003$). Shortage of pressure relieving devices, lack of staff and lack of training were the most commonly cited perceived barriers to practice pressure ulcer prevention.

Conclusions: This study highlights areas where measures can be made to facilitate pressure ulcer prevention in public hospitals in Wollega zones, such as increase regular adequate further training of nurses regarding pressure ulcer/its prevention points.



Biography

Werku Etafa is serving Wollega University School of Nursing and Midwifery in a lecturer rank by teaching Pediatrics Nursing and conducting researches on health areas. His health expertise are Nursing, Quantitative Methods and Statistical Software.

Publications

1. Nurses' knowledge to pressure ulcer prevention in public hospitals in Wollega: a cross-sectional study design
2. Food Insecurity among People Living with HIV/AIDS on ART Follower at Public Hospitals of Western Ethiopia
3. Diarrhea and associated factors among under-5 children in Ethiopia: A secondary data analysis
4. Essential new-born care practices and associated factors among post natal mothers in Nekemte City, Western Ethiopia
5. Food insecurity and associated factors among people living with HIV/AIDS on follow up receiving anti-retroviral therapy at public hospitals of Wollega zones, Oromia, Ethiopia, 2019

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